

IN THE CLAIMS:

Please cancel claims 1 to 7 without prejudice, and add
new claims 8 to 14:

8. A suspension of one or more phosphate, fluoride, or fluorophosphate calcium salts in a liquid medium in which the salts are less than 1 g/l soluble, wherein the calcium salts comprise primary particles having diameters of from 5 to 50 nanometers and lengths of from 10 to 150 nanometers, stabilized against agglomeration by a content of at least 0.01% by weight, based on the weight of the suspension, of a water-soluble surfactant or of a water-soluble polymeric protective colloid.

9. The suspension of claim 8, comprising 1% to 40% by weight of the one or more calcium salts and 0.1% to 10% by weight, based on the weight of the one or more calcium salts, of the water-soluble surfactant or the water-soluble polymeric protective colloid.

10. The suspension of claim 9, comprising 1% to 10% by weight, based on the weight of the one or more calcium salts, of one or more nonionic surfactants.

11. A process for the preparation a suspension of poorly soluble calcium salts, comprising the steps of precipitating one or more phosphate, fluoride, or fluorophosphate calcium salts in an aqueous medium in which these salts are less than 1 g/l soluble, wherein the calcium salts comprise primary particles having diameters of from 5 to 50 nanometers and lengths of from 10 to 150 nanometers, said precipitation being carried out in the presence of water-

soluble surfactants or water-soluble polymeric protective colloids.

12. The process of claim 11, wherein the aqueous medium is an acidic solution of a water-soluble calcium salt and a stoichiometric amount of a water-soluble phosphate salt with a pH below 3, and the precipitation is effected by increasing the pH using aqueous alkalis or ammonia in the presence of the water-soluble surfactants or water-soluble polymeric protective colloids.

13. A toothpaste comprising one or more silica polishing agents, humectants, binders or aromas and 0.1-5% by weight of one or more calcium salts selected from the group consisting of amorphous calcium phosphate, hydroxylapatite, fluorapatite, and calcium fluoride, said calcium salts being present in the form of a suspension of one or more of the salts in a liquid medium in which the salts are less than 1 g/l soluble, wherein the salts comprise primary particles having diameters of from 5 to 50 nanometers and lengths of from 10 to 150 nanometers, stabilized against agglomeration by a content of at least 0.01% by weight, based on the weight of the suspension, of a water-soluble surfactant or of a water-soluble polymeric protective colloid.

14. A method of remineralizing teeth comprising the steps of applying to a tooth a remineralizing-effective amount of a suspension of one or more phosphate, fluoride, or fluorophosphate calcium salts in a liquid medium in which the salts are less than 1 g/l soluble, wherein the calcium salts comprise primary particles having diameters of from 5 to 50 nanometers and lengths of from 10 to 150 nanometers, stabilized against agglomeration by a content of at least